I CLAIM:

1. A method of making an extracorporeal binding device for removing antigens and

haptens from the body of a mammal, the method comprising, in a desired order, a step of

confining in the device a binding compound, the binding compound having affinity for a

binding partner, a step of preparing an affinity binder comprising a first portion comprising the

binding partner and a second portion adapted to bind selectively with a species, and thereafter a

step of introducing said affinity binder into the device so as to cause the binding partner to bind

to the binding compound.

2. The method of claim 1 including connecting the device to a fluid source in a

mammal.

3. The method of claim 1 wherein the binding device includes a semipermeable

membrane for confining the binding compound.

4. The method of claim 1 wherein the binding compound is bound to a carrier.

5. The method of claim 4 wherein the carrier is selected from the group consisting of a

wall of the device, a fixed matrix in the device, and a fill of beads or other granules.

6. The method of claim 1 wherein the second portion of the affinity binder is adapted to

bind selectively with a pathogenic species.

7. The method of claim 1 wherein the affinity binders comprise antibodies.

8. The method of claim 7 wherein the first portions of the affinity binders comprise Fc

portions of the antibodies.

- 9. The method of claim 1 wherein the device is an extracorporeal treatment device, the device including means for removing blood from a mammal, passing at least a part of the blood through the device, and returning at least a part of the blood to the mammal.
- 10. The method of claim 1 wherein the binding compound comprises Protein A or Protein G.
- 11. The method of claim 2, including a step of administering to the mammal a targeting species bound to a targeted species, the affinity binder being adapted to bind selectively with a species comprising a targeting species bound to a targeted species.
- 12. The method of claim 11, including a step of extracorporeal adsorption of a species comprising a targeted species.
- 13. A device having contained therein a binding compound bound to a carrier, the binding compound having affinity for a binding partner, and at least one affinity binder comprising a first portion comprising the binding partner bound to the binding compound and a second portion adapted to bind selectively with at least one species selected from a species comprising a targeting species bound to a targeted species and a pathogenic species..
- 14. The device of claim 13 wherein the device is an extracorporeal device including means for connecting the device to a fluid source in a mammal.
- 15. The device of claim 13, wherein the device comprises regeneration means for regenerating the second portion of at least one affinity binder.
  - 16. The device of claim 15, wherein the regeneration means comprise a solution.
  - 17. The device of claim 16, wherein the solution is an acidic buffer.

- 18. The device of claim 13 wherein at least one of the affinity binders comprises a second portion having affinity to a targeted species bound to a targeting species.
- 19. The device of claim 18 wherein the targeted species comprises a radioactive molecule, a radioactive atom, or a radioactive ion.
- 20. A method of removing a species from a mammal comprising introducing into the mammal an affinity binder which selectively binds the species, the affinity binder including a binding partner portion having affinity for a non-antibody binding compound, and thereafter removing the affinity binder by capturing the affinity binder in a device having contained therein the binding compound.
- 21. The method of claim 20 wherein the non-antibody binding compound is selected from the group consisting of Protein A and Protein G.
- 22. A species-removing device for removing an antigen or hapten from a mammal, the device having contained therein a binding compound attached to a matrix and an affinity binder bound by affinity binding to the binding compound, the affinity binder having affinity for said antigen or hapten.
- 23. The method of claim 22 wherein the species is selected from the group consisting of LDL, oxidized-LDL, and rheumatoid factor.
- 24. A method of making a binding device comprising a first step of confining in the device a binding compound, the binding compound having affinity for a binding partner, a second step of preparing an affinity binder comprising a first portion comprising the binding partner and a second portion adapted to bind selectively with a species, thereafter a step of

introducing said affinity binder into the device so as to cause the binding partner to bind to the binding compound, the device further comprising an on-line regeneration system.

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